

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**  
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER  
**MERCK-2834**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**1,4-Di-(trans-4-Cyclohexyl)benzene Derivatives and their Use in Liquid Crystal Media and Liquid Crystal Devices**

the specification of which (check only one item below):

- ☒ is attached hereto.
- ☐ was filed as United States application
- Serial No. \_\_\_\_\_
- on \_\_\_\_\_
- and was amended
- on \_\_\_\_\_ (if applicable).
- ☐ was filed as PCT international application
- Number \_\_\_\_\_
- on \_\_\_\_\_,
- and was amended under PCT Article 19
- on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION NUMBER(S)	COUNTRY	FOREIGN FILING DATE (MM/DD/YYYY)	PRIORITY NOT CLAIMED
03003560.4	Europe	2/17/2003	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint I. William Millen (19,544); John L. White (17,746); Anthony J. Zelano (27,969); Alan E.J. Branigan (20,565); John R. Moses (24,983); Harry B. Shubin (32,004); Brion P. Heaney (32,542); Richard J. Traverso (30,595); John A. Sopp (33,103); Richard M. Lebovitz (37,067); James E. Ruland (37,432); Jennifer J. Branigan (40,921); Csaba Henter (50,908) and Nicole E. Kinsey (50,723) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to: Customer No. **23599**

Telephone No.  
703/243-6333

Direct Telephone Calls to:

**Combined Declaration for Patent Application and Power of Attorney (Continued)**

(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER


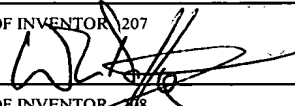
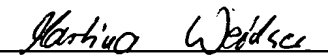
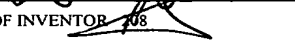
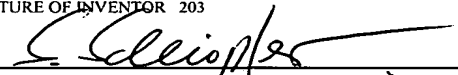
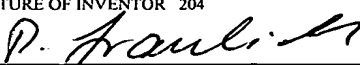
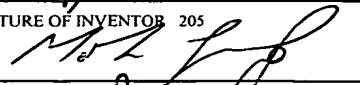
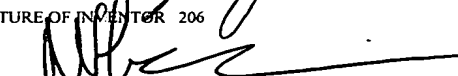
201	FULL NAME OF INVENTOR	FAMILY NAME HIRSCHMANN	FIRST GIVEN NAME HARALD	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Darmstadt	STATE OR FOREIGN COUNTRY DE	COUNTRY OF CITIZENSHIP DE
	POST OFFICE ADDRESS	STREET Wiesengasse 23	CITY Darmstadt	STATE & ZIP CODE/COUNTRY 64291 Darmstadt, DE
202	FULL NAME OF INVENTOR	FAMILY NAME WEIDNER	FIRST GIVEN NAME Martina	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Münster	STATE OR FOREIGN COUNTRY DE	COUNTRY OF CITIZENSHIP DE
	POST OFFICE ADDRESS	STREET Ringstrasse 9	CITY Münster	STATE & ZIP CODE/COUNTRY 64839 Münster, DE
203	FULL NAME OF INVENTOR	FAMILY NAME SCHÜPFER	FIRST GIVEN NAME Sven	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Aschaffenburg	STATE OR FOREIGN COUNTRY DE	COUNTRY OF CITIZENSHIP DE
	POST OFFICE ADDRESS	STREET Aschaffstrasse 55	CITY Aschaffenburg	STATE & ZIP CODE/COUNTRY 63741 Aschaffenburg, DE
204	FULL NAME OF INVENTOR	FAMILY NAME GRAULICH	FIRST GIVEN NAME Renate	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Riedstadt	STATE OR FOREIGN COUNTRY DE	COUNTRY OF CITIZENSHIP DE
	POST OFFICE ADDRESS	STREET Leipzigerstrasse 3	CITY Riedstadt	STATE & ZIP CODE/COUNTRY 64560 Riedstadt, DE
205	FULL NAME OF INVENTOR	FAMILY NAME GOULDING	FIRST GIVEN NAME Mark	SECOND GIVEN NAME John
	RESIDENCE & CITIZENSHIP	CITY Hampshire	STATE OR FOREIGN COUNTRY GB	COUNTRY OF CITIZENSHIP GB
	POST OFFICE ADDRESS	STREET 50 Seymour Road	CITY Hampshire	STATE & ZIP CODE/COUNTRY Ringwood, Hampshire BH24 1SH, GB
206	FULL NAME OF INVENTOR	FAMILY NAME HEENEY	FIRST GIVEN NAME Martin	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Southampton	STATE OR FOREIGN COUNTRY GB	COUNTRY OF CITIZENSHIP GB
	POST OFFICE ADDRESS	STREET 59 Cedar Road	CITY Southampton	STATE & ZIP CODE/COUNTRY Southampton SO14 6TQ, GB
207	FULL NAME OF INVENTOR	FAMILY NAME DUFFY	FIRST GIVEN NAME Warren	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY Southampton	STATE OR FOREIGN COUNTRY GB	COUNTRY OF CITIZENSHIP GB
	POST OFFICE ADDRESS	STREET Suffolk Road 75, Flat 1	CITY Southampton	STATE & ZIP CODE/COUNTRY Southampton SO15 5EF, GB

**Combined Declaration for Patent Application and Power of Attorney (Continued)**  
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER

208	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
209	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
210	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
211	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY
212	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE & ZIP CODE/COUNTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 	DATE 04.02.04	SIGNATURE OF INVENTOR 207 	DATE 04.02.04
SIGNATURE OF INVENTOR 202 	DATE 04.02.04	SIGNATURE OF INVENTOR 208 	DATE
SIGNATURE OF INVENTOR 203 	DATE 04.02.04	SIGNATURE OF INVENTOR 209	DATE
SIGNATURE OF INVENTOR 204 	DATE 04.02.04	SIGNATURE OF INVENTOR 210	DATE
SIGNATURE OF INVENTOR 205 	DATE 04.02.04	SIGNATURE OF INVENTOR 211	DATE
SIGNATURE OF INVENTOR 206 	DATE 04.02.04	SIGNATURE OF INVENTOR 212	DATE